Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of claims:

1. (Currently amended) Sensor for picking up sound from a body, comprising

-an acoustoelectric transducer member [[(4,7)]] for converting sound vibrations to electrical output signals[[, and]] ;

-a viscoelastic unit [[(2)]] arranged as an adaptation medium between a body

surface and the transducer member [[(4,7),]] and in such a manner that a front surface of said unit [[(2)]] is arranged to be brought to direct engagement

with the body surface[[,]] ;

~~-characterized in that~~

-wherein said acoustoelectric transducer member is ~~constituted by~~ comprised of at least one piezoelectric member [[(4,7)]] surrounding tightly the lateral surface of the viscoelastic unit, said viscoelastic unit [[(2)]] having a cylindrical outer shape[[,]]; and [[that]]

-the viscoelastic unit engages tightly in its rear end area, a hard back piece

[[(1)]].

2. (Currently amended) The sensor of claim 1, ~~characterized in that~~ wherein said acoustic transducer member is ~~constituted by~~ comprised of at least one thin piezoelectric foil [[(4,7)]].

3. (Currently amended) The sensor of claim 2, ~~characterized in that~~ wherein said acoustic transducer member is ~~constituted by~~ comprised of two concentrically

arranged piezoelectric foils ~~(4,7), possibly having~~ and an electrically conductive foil [[(6)]] therebetween.

4. (Currently amended) The sensor of claim 3, ~~characterized in that~~ wherein the intermediate electrically conductive foil is ~~constituted by~~ comprised of a double-sided adhesive and electrically conductive tape [[(6)]].

5. (Currently amended) The sensor of ~~one of claims 2-4, characterized in that~~ claim 2, wherein said piezoelectric foil is ~~constituted by~~ comprised of a flat foil laid around the viscoelastic unit in such a manner that adjacent edges are fixed by an adhesive tape.

6. (Currently amended) The sensor of ~~one of claims 2-4, characterized in that~~ wherein the piezoelectric foil/the piezoelectric foils have a cylindrical shape, and have been threaded tightly onto the viscoelastic unit.

7. (Currently amended) The sensor of claim 1, ~~characterized in that~~ wherein the acoustic transducer member is ~~constituted by~~ comprised of a ceramic ring with a piezoelectric effect.

8. (Currently amended) The sensor of ~~one of the previous claims, characterized in that~~ of claim 1, wherein said back piece [[(1)]] and said viscoelastic unit [[(2)]] in the rear end area have precisely complementary shapes comprising an interface that is substantially conically shaped and pointing in a forward direction.

9. (Currently amended) ~~Use of a sensor as defined in one of the previous claims, as a sensor element in an electronic stethoscope~~ The sensor of claim 1, further comprised of a stethoscope, into which said sensor is mounted.

10. (Currently amended) An electronic stethoscope comprising a head set with ear phones having loudspeakers, a hand-held sound pick-up module [[(15)]] with

a sensor element [[(10)]] and electronic amplifier circuitry [[(18),]] as well as a connection lead between said module [[(15)]] and said headset, wherein

~~characterized in that~~ the sensor element [[(10)]] is a sensor for picking up sound from a body, and is comprised of: ~~comprising~~

-an acoustoelectric transducer member [[(4,7)]] for converting sound vibrations to electric output signals, and

-a viscoelastic unit [[(2)]] arranged as an adaptation medium between a body surface and said transducer member [[(4,7),]] and in such a manner that a front surface of said unit [[(2)]] is arranged to be brought to direct engagement with the body surface, -said acoustoelectric transducer member being ~~constituted by~~ comprised of at least one piezoelectric member [[(4,7)]] surrounding tightly the lateral surface of the viscoelastic unit, said viscoelastic unit [[(2)]] having a cylindrical outer shape, and

-said viscoelastic unit [[(2)]] ~~engaging~~ tightly engages in its rear end area, a hard back piece [[(1)]].